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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/777,246	12/31/1996	KAZUOMI OISHI	35.G1868	3060

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EXAMINER

SONG, HOSUK

ART UNIT PAPER NUMBER

2131

DATE MAILED: 01/15/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

08/777,246

Applicant(s)

OISHI

Examiner

HO S. SONG

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Nov 6, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above, claim(s) 3, 7-17, 21-25, and 28-30 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-6, 18-20, 26, 27, and 31-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) ☐ Other:

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DETAILED ACTION

Claim Rejections - 35 USC § 102

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

1. Claims 1-2,4-6,26-27,31-33 are rejected under 35 U.S.C. 102(e) as being anticipated by Moghadam et al.(US 5,801,856).

In claims 1,2, Moghadam discloses first input for inputting first information in(fig.1 and col.4,lines 33-35,50-56). Second input for communicating with external device and inputting secret key information is disclosed by Moghadam in (fig.1 and fig.3,#36). Note that secret key can be transmitted or received separately from the image. Generating a digital signature and encrypting first information based upon secret key is disclosed by Moghadam in (col.4,lines 35-40, 43-49). The image signal(I) and security information(S) signal which contains encryption keys are separate signals with two different inputs(see fig.1, I and S). Further, fig.3 disclose that alternately, secret key encrypts the image having a different input(one input for image#32,34 and another input for secret key; see #36).

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In claim 4, Moghadam teaches public key cryptography operation in (col.4, lines 49-50).

Claim 6 differs from above claims 1-2 in that in claim 6 information is compressed by compressing means. Compression mean is taught by Moghadam in (fig.3,#40).

.In claims 5, Moghadam teaches using a RSA cryptosystem to obtain a digital signature in (col.4,lines 49-56).

In claims 26-27,Moghadam discloses first input for inputting first information in(fig.1 and col.4,lines 33-35,50-56). Second input for communicating with external device and inputting secret key information is disclosed by Moghadam in (fig.1 and fig.3,#36). Note that secret key can be transmitted or received separately from the image. Generating a digital signature and encrypting first information based upon secret key is disclosed by Moghadam in (col.4,lines 35-40, 43-49). The image signal(I) and security information(S) signal which contains encryption keys are separate signals with two different inputs(see fig.1, I and S). Further, fig.3 disclose that alternately, secret key encrypts the image having a different input(one input for image#32,34 and another input for secret key; see #36).

In claim 31, Moghadam disclose second input means for inputting software used by the generating means in (col.4,lines 23-25).

In claim 32, Moghadam disclose encrypting first information with secret key in (col.4,lines 35-37).

In claim 33, portable device is disclosed by Moghadam in (col.4,lines 11-17).

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Claim Rejections - 35 USC § 103

2 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3 Claims 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moghadam (US 5,801,856).

In claims 18-20, see claims rejection 6 above, for discussion of compression techniques in general, further, the examiner asserts that applicant uses well known forms of compression techniques for video/audio data. One skilled in the art would have been motivated to use one of these well known techniques in order to reduce the size of files so that transmission will be faster and reduces storage capacity.

Response to Amendment

4. Applicant has amended claims 1,4-6,18,26,27 and added new claims 31-33.

Applicant has canceled claims 3,7-17 and 28-30.

Applicants remarks have been carefully considered but they are not persuasive.

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Applicant has argued that applied art does not disclose or to suggest at least a first input for inputting first information and a different second input for communicating with an external device and inputting secret key information. In response: examiner have addressed these features in claims rejection above. Applicant has argued that prior art is seen to disclose inputting of a private key, but the private key included in the security indicia. As such, the private key and the security indicia are not input by separate means. In response: examiner disagree, fig.1 and especially in fig.3 disclose that it is the secret key that encrypts the image by means of separate input(see #36 encryption step where key is inputted to encrypt image).

Conclusion

5 **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

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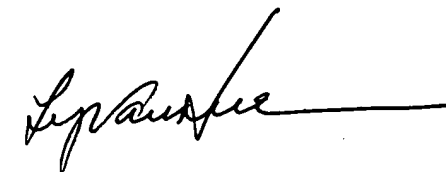
will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6 Any inquiry concerning this communication should be directed to Hosuk Song whose telephone number (703)305-0042. The examiner can normally be reached on Tuesday through Friday from 6:00 a.m to 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gail Hayes, can be reached on (703) 305-9711.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (703) 305-3900.

Hosuk Song



LY V. HUA
PRIMARY EXAMINER